

6BA3

Half-Wave Vacuum Rectifier

NOVAR TYPE

For Television Damper Service

Electrical:

Heater Characteristics and Ratings:

Voltage (AC or DC) 6.3 ± 0.6 volts

Current at heater volts = 6.3 1.200 amp

Maximum Heater-Cathode Voltage:

Heater negative with respect to cathode:^a

Peak 5500 volts

DC component 900 volts

Heater positive with respect to cathode:

Peak 300 volts

DC component 100 volts

Direct Interelectrode Capacitances (Approx.):^b

Plate to cathode and heater. 4.4 pf

Cathode to plate and heater. 6.0 pf

Heater to cathode. 1.8 pf

Mechanical:

Operating Position Any

Type of Cathode. Coated Unipotential

Maximum Overall Length 3.080"

Maximum Seated Length. 2.700"

Diameter 1.062" to 1.188"

Dimensional Outline. See *General Section*

Bulb T9

Bases (Alternates):

Small-Button Novar 9-Pin (JEDEC No.E9-75)

Small-Button Novar 9-Pin with Exhaust Tip (JEDEC No.E9-89)

Basing Designation for BOTTOM VIEW 9HP

Pin 1 - Do Not Use^c

Pin 2 - Plate

Pin 3 - Do Not Use^c

Pin 4 - Heater

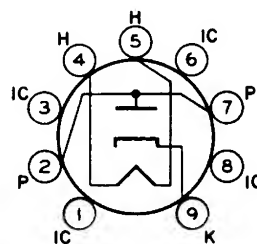
Pin 5 - Heater

Pin 6 - Do Not Use^c

Pin 7 - Plate

Pin 8 - Do Not Use^c

Pin 9 - Cathode



RADIO CORPORATION OF AMERICA
Electronic Components and Devices Harrison, N. J.

DATA
4-65

6BA3

DAMPER SERVICE

Maximum Ratings, Design-Maximum Values:

For operation in a 525-line, 30-frame system^d

Peak Inverse Plate Voltage ^a	5000	volts
Peak Plate Current	1000	ma
DC Plate Current	165	ma
Plate Dissipation	5.3	watts

Characteristics, Instantaneous Value:

Tube Voltage Drop for plate ma = 250 32 volts

^a This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 microseconds.

^b Without external shield.

^c Socket terminals 1, 3, 6, and 8 should not be used for tie points. It is also recommended that socket clips for these pins be removed to reduce the possibility of arc-over and to minimize leakage.

^d As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations", Federal Communications Commission.

